

Well Name: GRENIER B	Well Location: T29N / R10W / SEC 4 / SENW / 36.757095 / -107.892761	County or Parish/State: SAN JUAN / NM
Well Number: 10	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM03561	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004524659	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2755040

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/05/2023	Time Sundry Submitted: 12:53
Date proposed operation will begin: 11/02/2023	

**Procedure Description:** Hilcorp Energy Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 3/9/2023 with BLM. The Re-Vegetation Plan is attached. A closed loop system will be used.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Grenier\_B\_10\_PA\_NOI\_filed\_20231005125240.pdf

Received by OCD: 10/6/2023 8:58:40 AM

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Conditions of Approval

Specialist Review

29N10W04\_Grenier\_B\_10\_Geo\_KR\_20231006081532.pdf  
2755040\_NOIA\_10\_3004524659\_KR\_10062023\_20231006081532.pdf  
General\_Requirement\_PxA\_20231006081519.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: TAMMY JONES

Signed on: OCT 05, 2023 12:53 PM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTECState: NM

Phone: (505) 324-5185

Email address: TAJONES@HILCORP.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 10/06/2023

Signature: Kenneth Rennick



**HILCORP ENERGY COMPANY**  
**Grenier B 10**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

<b>API #:</b>	3004524659
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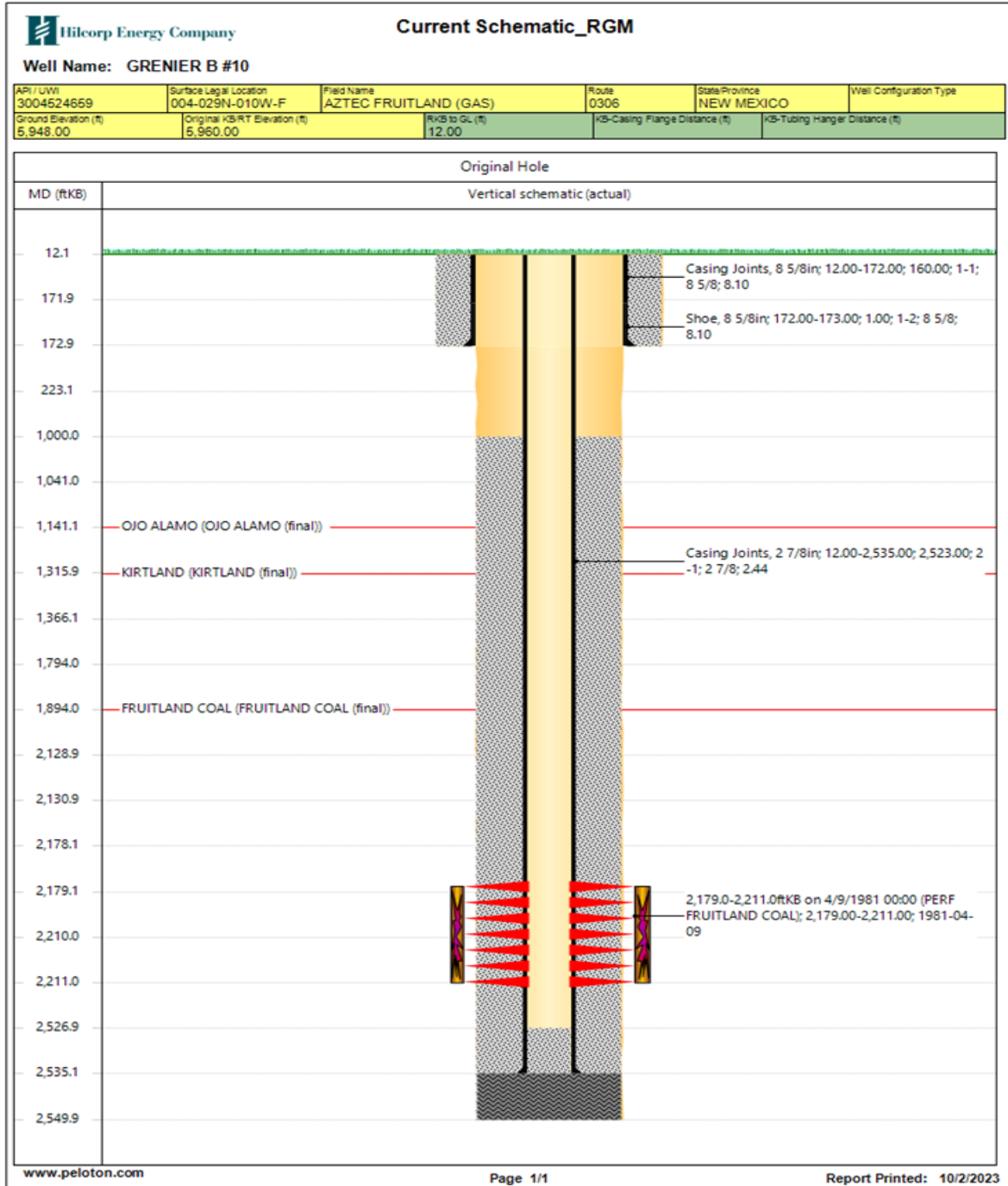
**JOB PROCEDURES**

- |                                     |            |   |
|-------------------------------------|------------|---|
| <input checked="" type="checkbox"/> | NMOCD      | Contact OCD and BLM/Navajo 24 hrs prior to MIRU. Comply with all NMOCD, BLM & Navajo, and HEC safety and environmental regulations. |
| <input checked="" type="checkbox"/> | BLM/Navajo |   |
- \*NOTE: NMOCD will require a recorded 24hr SIBHP <5psi. Must have NMOCD representation on location to witness bradenhead pressure.*
1. MIRU service rig and associated equipment, remove drive head, prep to pull rods. Record all casing pressures on well.
  2. RU ELU, drift csg down to 2,150'. RIH w/ 2-7/8" 6.5# CIBP, set @ 2,129'.
  3. Load well as needed, ND tree, NU BOPs and test.
  4. RIH w/ mule shoe on 1.66" work string to 2,131', tag CIBP in place. Circulate & condition wellbore.  
*\*Plug design is based on CBL [9/10/21].*
  5. Pressure test 2-7/8" csg & CIBP to 560psi for 30min on chart & witnessed.
  6. **Plug #1 | 1,794' - 2,129' (FRD Top Perf 2,179' | FRD Top 1,894')** Mix and pump 8sx (2.0 bbl) Class III Select cmt above CIBP @ 2,129' to cover CIBP & FRD Top.
  7. PUH w/ work string to 1,316'.
  8. **Plug #2 | 1,041' - 1,366' (KRD Top @ 1,316' | OJO Top @ 1,141')** Circulate in 8sx (2.0 bbl) Class III Select to cover Kirtland & Ojo Tops.
  9. RU ELU, RIH perf circ holes in 2-7/8" 6.5# csg @ 223'. Establish circulation around to surface.
  10. **Plug #3 | Surface - 223' (Surface shoe: 173')** Circulate in 51sx (12.4 bbl) Class III Select cmt from 223' to surface to cover shoe.
  11. LD tubing. ND BOP and cut off wellhead below surface casing flange as per NMOCD. Top off cement at surface as needed. Weld new P&A maker.
- Note** Class III "Select" cement: Neat, 1.37yld, 14.6ppg, 6.64gpsx mix wtr.



**HILCORP ENERGY COMPANY**  
**Grenier B 10**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

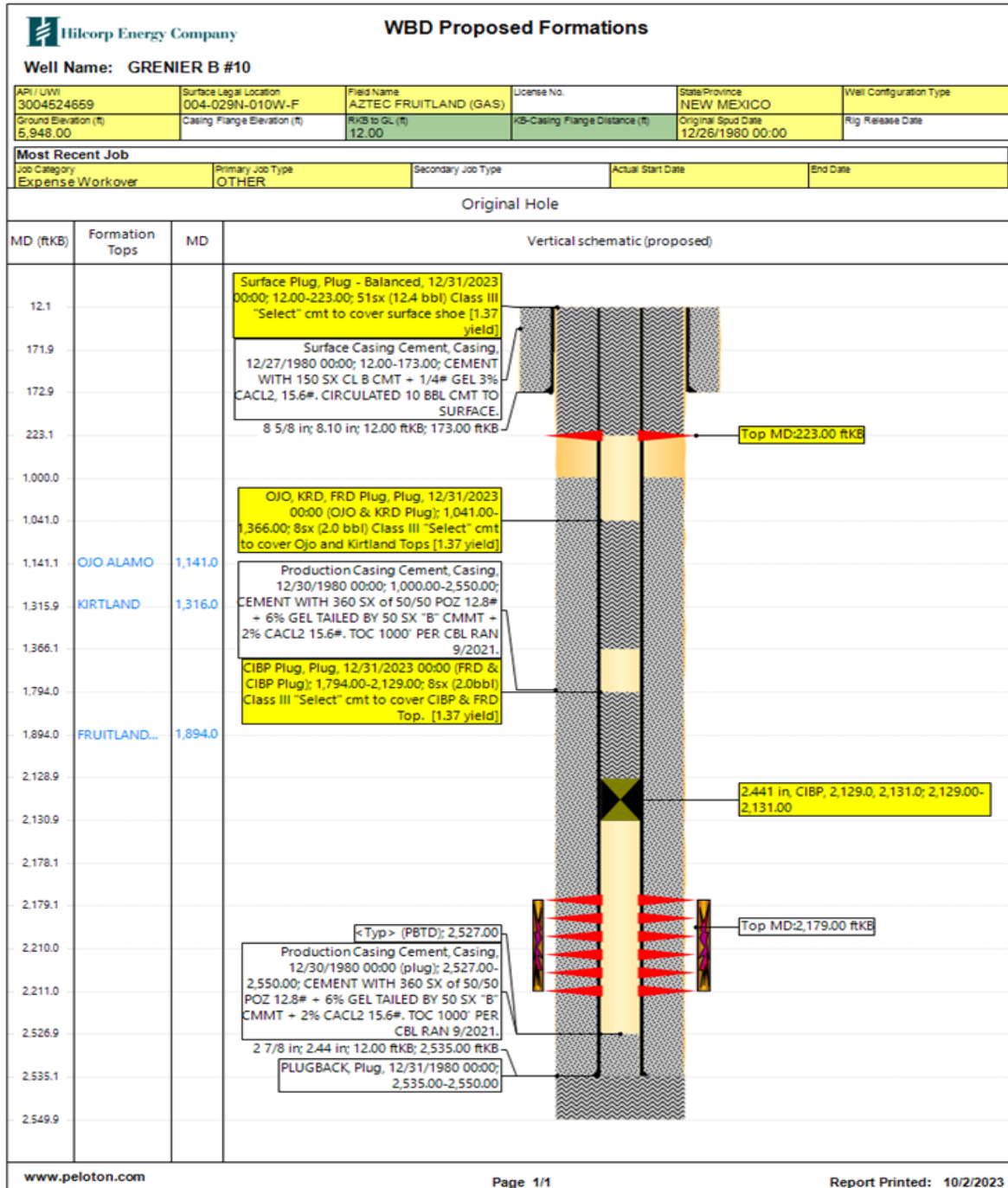
**Grenier B 10 - CURRENT WELLBORE SCHEMATIC**





**HILCORP ENERGY COMPANY**  
**Grenier B 10**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

**Grenier B 10 - PROPOSED P&A SCHEMATIC**



Hilcorp Energy  
P&A Final Reclamation Plan  
**Grenier B 10**  
API: 30-045-24659  
T29N- R10W-Sec. 04-Unit F  
LAT: 36.75709 LONG: -107.89276 NAD 27  
Footage: 1530' FNL & 1585' FWL  
San Juan County, NM

## **1. PRE- RECLAMATION SITE INSPECTION**

A pre-reclamation site inspection was completed with Roger Herrera from the BLM and Bobby Spearman, Hilcorp Energy SJN Construction Foreman on March 9<sup>th</sup>, 2023

## **2. LOCATION RECLAMATION PROCEDURE**

1. Reclamation work will begin in spring/summer
2. Removal of all equipment, anchors, flowlines, cathodic, meter run.
3. Strip pipeline and blind flange at Harvest pipeline tie in and leave M/L riser.
4. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
5. Location fill slope on the East will be moved to the Northwest corner to fill in cut slope then tapered down to road edge at grade of the location.
6. Recontouring as needed to mimic surrounding landscape.
7. Rip compacted soil and walk down disturbed portion of well pad.
8. Remove all gravel from berms, pads, and bury in toe of cut or spread on main access road

## **3. ACCESS ROAD RECLAMATION PROCEDURE**

1. Relocate access road for the Grenier B4E the east side of location next to Harvest pipeline

## **2. SEEDING PROCEDURE**

1. A Pinion Juniper seed mix mixed for all reclaimed and disturbed areas of the well pad and lease road.
2. Drill seeding, crimping and mulching will be done where applicable, and all other disturbed areas will be broadcast seeded and harrowed. Broadcast seeding will be applied at a double the rate of seed.
3. Timing of the seeding will be when the ground is not frozen or saturated.

## **4. Weed Management**

1. No noxious weeds were found on location

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2755040

Attachment to notice of Intention to Abandon

Well: Grenier B 10

**CONDITIONS OF APPROVAL**

1. Plugging work must be completed by September 30, 2024.
2. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 10/06/2023

**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

**4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**



5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 10/6/2023

Well No. Grenier B 10 (API 30-045-24659)	Location	SENW				
Lease No. NMNM03561	Sec. 4	T29N			R10W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 2527' Plugback		Formation Aztec Fruitland Sand				
Elevation (GL) 5948'						

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm					Possible freshwater sands
Ojo Alamo Ss			1141		Aquifer (possible freshwater)
Kirtland Shale			1316		
Fruitland Fm			1894		Coal/Gas/Possible water
Pictured Cliffs Ss					Gas
Lewis Shale					
Chacra					Gas
Cliff House Ss					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					
Gallup					O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:  
P & A

Reference Well:

**Prepared by: Kenneth Rennick**

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 273142

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 273142
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	this well has bradenhead issues - cannot combine kirtland ojo plug - Kirtland ran separte - 24 hour shut in after kirtland plug - Notify NMOCD 24 hours prior to moving on.	10/16/2023